

IN THE ABSTRACT

Please replace the abstract with the following abstract:

A method for producing a ceramic coating of metallic and/or ceramic surfaces and products in reactors, process plants and combustion plants includes applying a mixture of fine-particle boron nitride, at least one inorganic binding agent of medium particle size in the nanometer range, containing substantially  $\text{Al}_2\text{O}_3$ ,  $\text{AlO}(\text{OH})$ ,  $\text{ZrO}_2$ ,  $\text{Y-ZrO}_2$ ,  $\text{TiO}_2$ ,  $\text{Fe}_2\text{O}_3$  and/or  $\text{SnO}_2$  or an associated precursor compound and at least one solvent and/or water onto a metallic and/or ceramic surfaces or product, and burning the applied mixture into a coating through heating.